What is the Import/Export Utility?

This section covers the following topics:

- Explanation and Example
- External Format

Explanation and Example

The Import/Export Utility is an application that can:

- transform the records from the Entire Operations (NOP) database into an external format, or
- analyse an external format and transform it into the Adabas format.

The following is an example representation of Entire Operations objects within the database.

Job	Job-Type	Execution-Node	...
JOB-1	MAC	148	...
JOB-2	JOB	31	...

The same Entire Operations objects transformed into the external format would be as follows:

```
OBJECT=JOB
JOB=JOB-1
JOB-TYPE=MAC
EXECUTION-NODE=148
...
END-OBJECT
OBJECT=JOB
JOB=JOB-2
JOB-TYPE=JOB
EXECUTION-NODE=31
...
END-OBJECT
```

External Format

The external format conforms to the following specifications:

- A "plain" file format:
  - Natural: Natural Source format
  - UNIX, Windows: ASCII text files
- The maximum record size does not exceed 240 (limited by Natural).
- Accessibility of the above file types by Entire System Server and/or Entire Connection.
- Simple external representation of all data types.
- The external format does not contain any non-printable character or field in internal format because of EBCDIC - ASCII conversion.
- Keywords do not consist of any internal abbreviations (e.g. Adabas short names), since they may change from one version to another.
- PC or UNIX import and export.